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Why Your Organization's Endpoints Are Your Greatest Source of Risk

Presented @ North Carolina Cybersecurity Summit

Josh Frank, Regional Vice President,

Technical Account Management, Tanium

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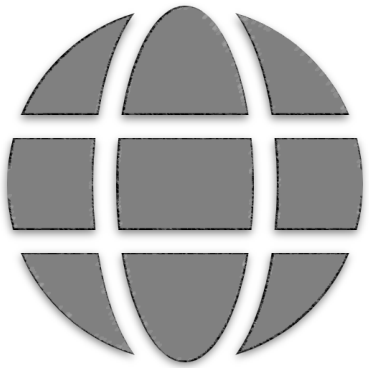
What is IT Risk?

Gather and analyze data to improve security posture and compliance

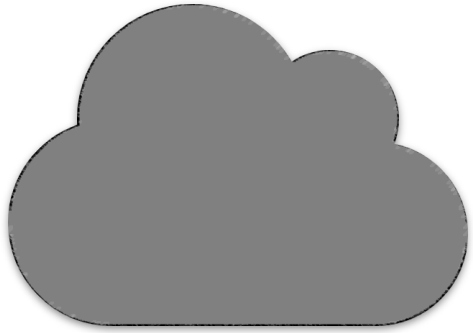
Organizations face daunting challenges that significantly increase risk exposure

Distributed Workforce

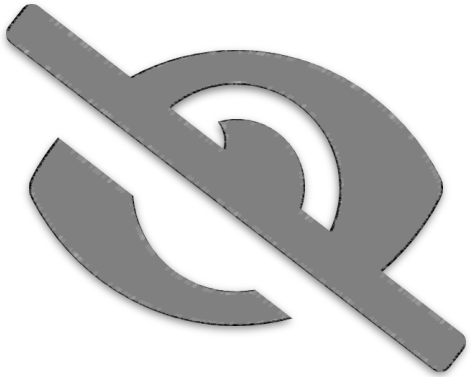


Security Staff Shortage

Rapid Migration to Cloud



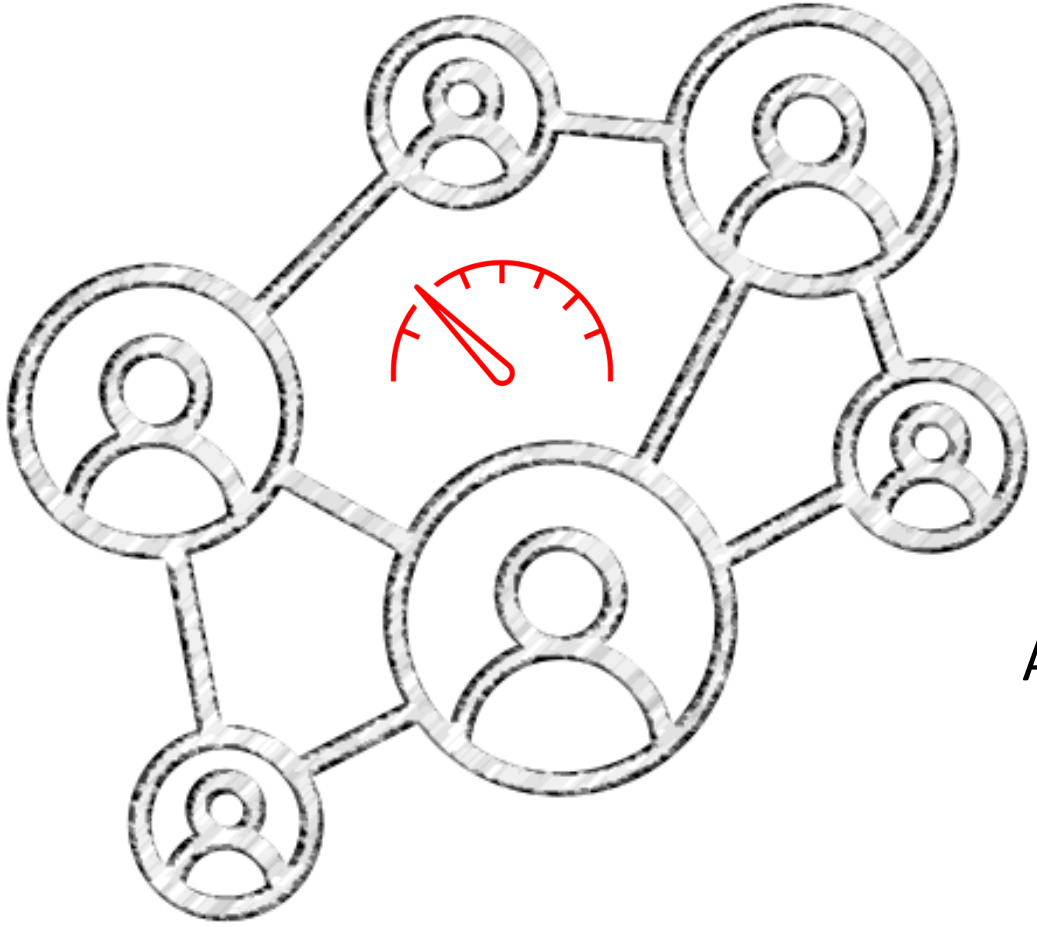
Lack of Visibility



Many CISOs can’t answer basic questions about the state of risk and compliance in their environment

Traditional Risk Mitigation Approaches Are Siloed

Are there critical vulnerabilities?



Is software updated?

What are my compliance exposures?

Are security agents properly installed?

Why do organizations struggle to assess endpoint risk?

IT leaders can't make informed decisions quickly when data is limited and disconnected.

55%

of organizations use more than 20 tools across IT Operations and Security.[1]

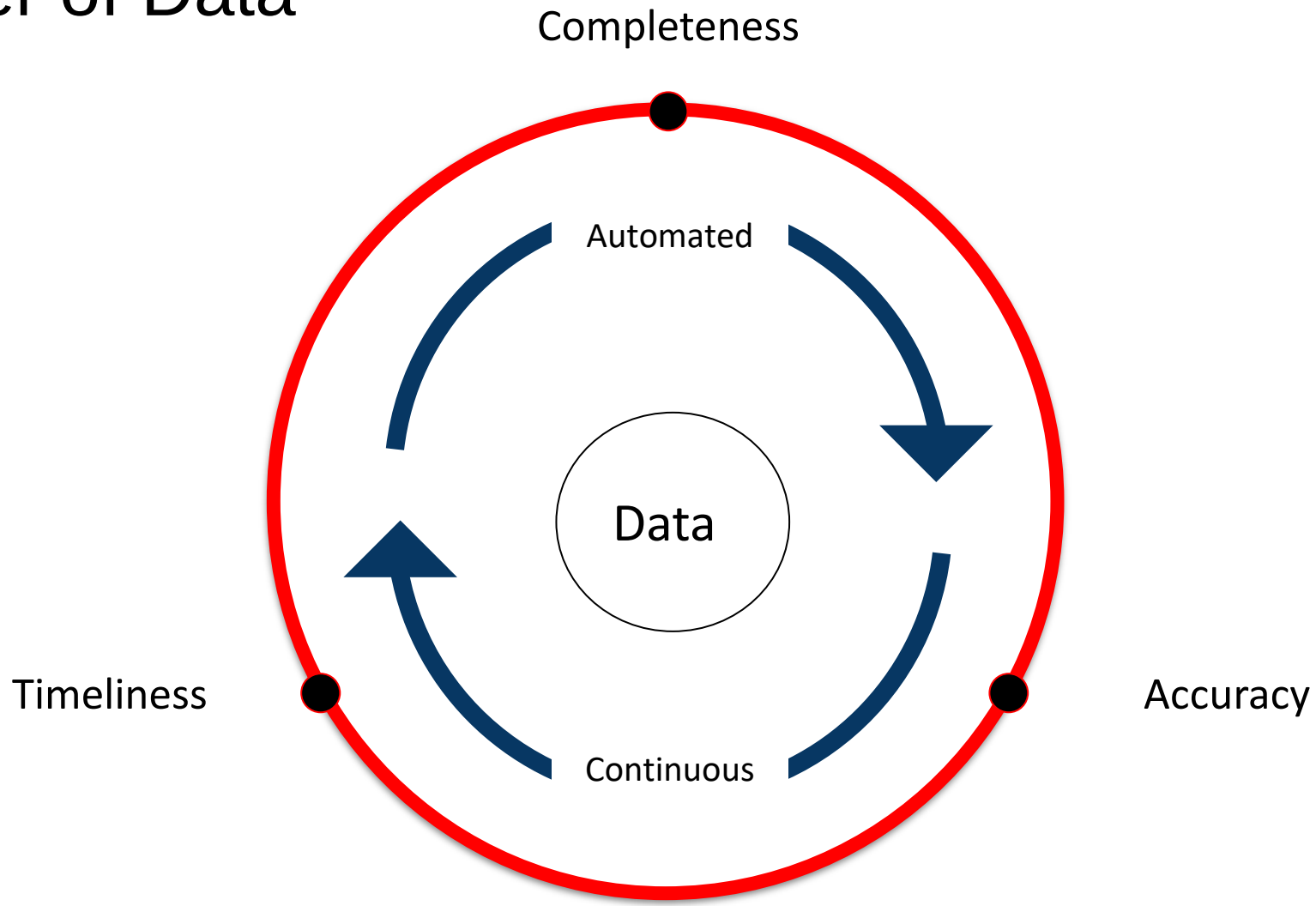
40%

of CIOs say silos make it difficult to identify the severity of an issue and minimize business impact.[2]

89%

of IT leaders report data silos are creating business challenges for digital transformation initiatives.[3]

The Power of Data



Key Elements of Risk Management

Data Collection

The first process in identifying risk is to gather data. Data resides in multiple, disparate sources.

Analysis

Analysis and Risk categorization needs to be automated given the growing data sets.

Remediation

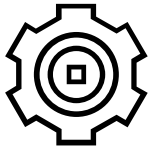
Remediation and mitigation efforts need to be aligned with the business impact.

Reporting

Gathering comprehensive risk metrics and synthesizing for exec-level reports is important for data-driven conversations.

IT Risk Categorization

Operations

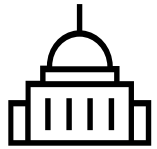


- Business continuity
- Availability of IT systems
- Unmanaged assets
- Misconfigured systems
- Performance issues

Security

- Vulnerabilities
- Sensitive data
- Endpoint defenses
- Missing compensating controls

Regulatory



- Compliance with with different regulatory frameworks

Chris Wilder, Senior Security Analyst, Moor Insights & Strategy

Ensure you have a patching and update program. This is critical, especially in today's security environment. Nearly 60% of the CSO/CISOs we work with do not know which systems have been patched, which need to be patched, and most importantly, which should be on their networks in the first place. **Firms [need to connect] IT and SecOps in an unrivaled way.** Identifying these vulnerabilities requires a combination of security assessments, tools, and software to remediate infrastructure threats.

RISK USE CASES

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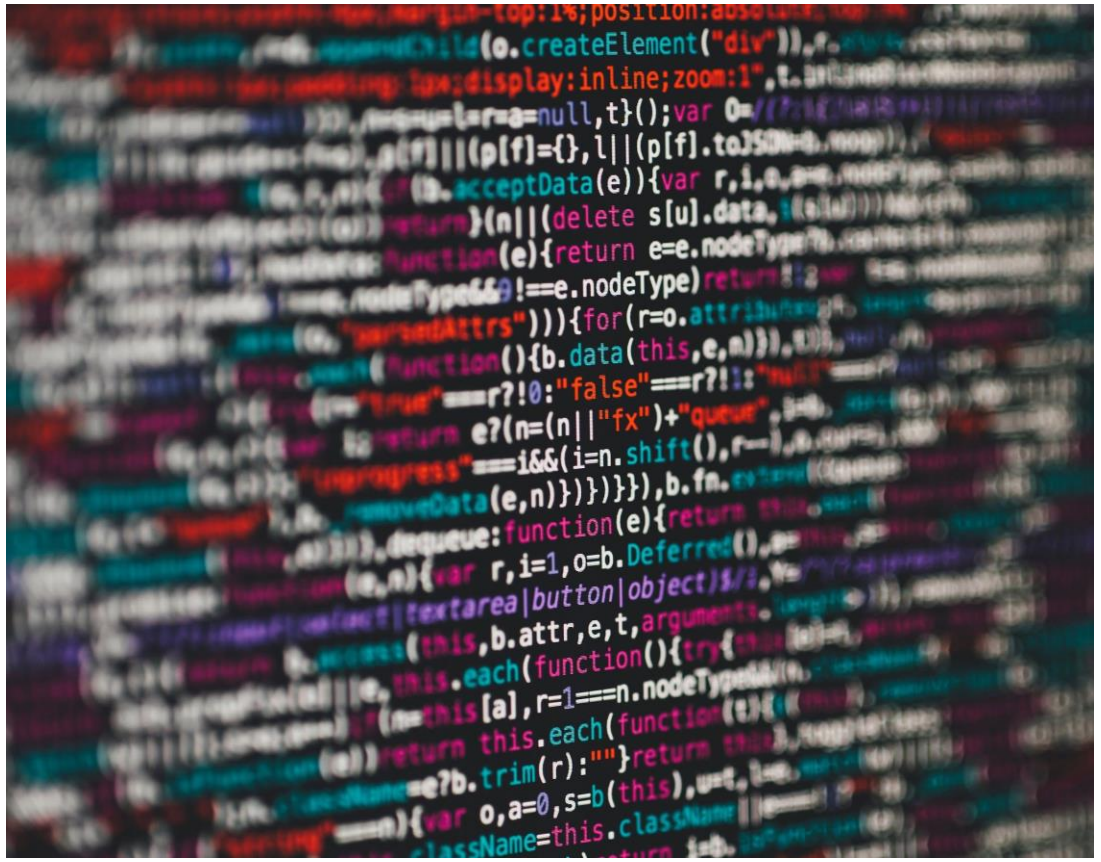
Reduce Attack Surface

- Identify lateral movement
- Nearly 100% of attacks take advantage of user privileges to propagate the attack

- Cyber Hygiene
- Nearly 100% of attacks take advantage of known, unpatched vulnerabilities

Discover Sensitive Data

- Visibility into where sensitive data resides
- Who has access to data
- Automated tools to protect the data



Compliance Reporting

- Choose a framework
- Continuously monitor compliance
- Quickly identify the gaps and compensating controls

Executive and Oversight Reporting

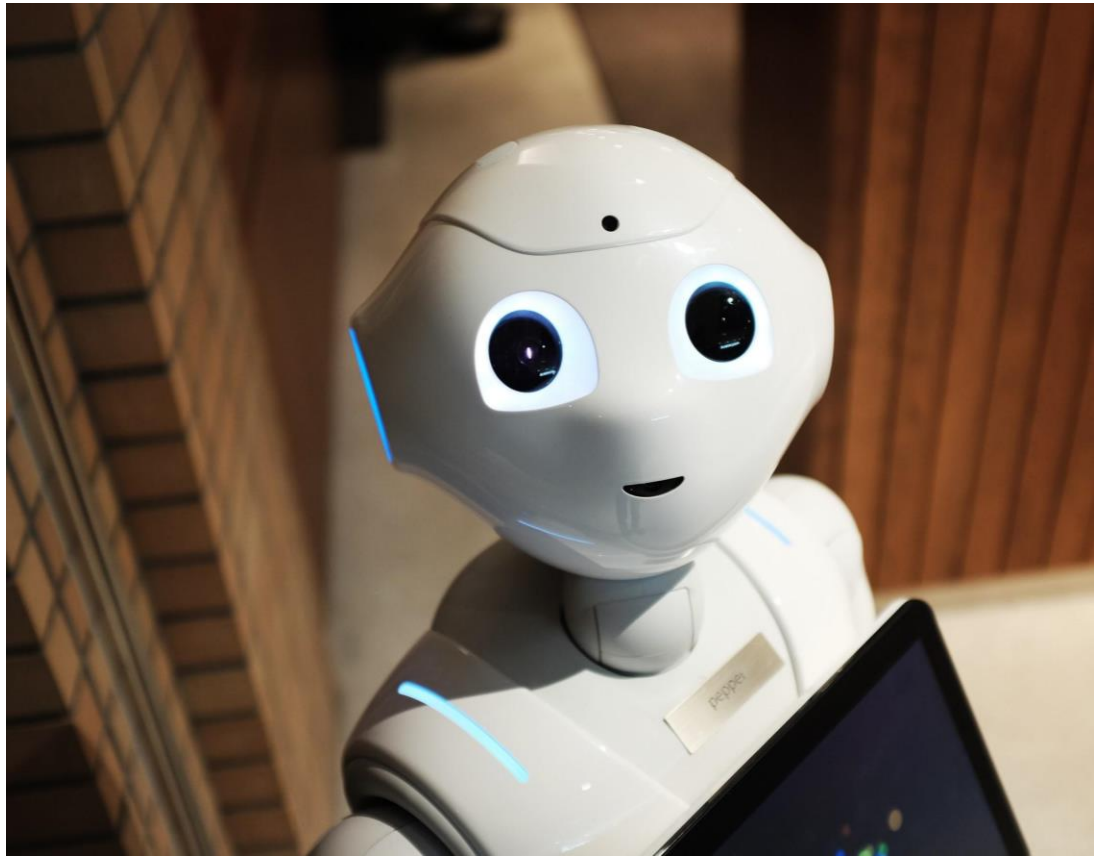
- Overall view of risk posture
- Performance over time
- Identify gaps to align investments
- Data-driven conversations with key stakeholders

Benchmarking

- Compare risk performance with similar organizations
- Measure effectiveness of risk mitigation programs

Prioritization and Automation

- Smart Prioritization based on business impact
- Automate mundane tasks first, to gain confidence in the system



Risk Management Maturity Model

Response & Remediation
How quickly can you identify and respond to malicious threats?

Sensitive Data Protection
Do you know which systems are storing critical data?
How are you measuring data privacy risk today?

Risk & Compliance
How are you assessing risk? Are you in compliance?
What is your patch efficacy across your environment?

Tool & Cost Optimization
Are you paying for software you aren't using?
Do you have a strategy for long-term cost optimization?

Asset Visibility
How many devices do you have in your environment?
Do you know what or where those devices are?

THANK YOU